

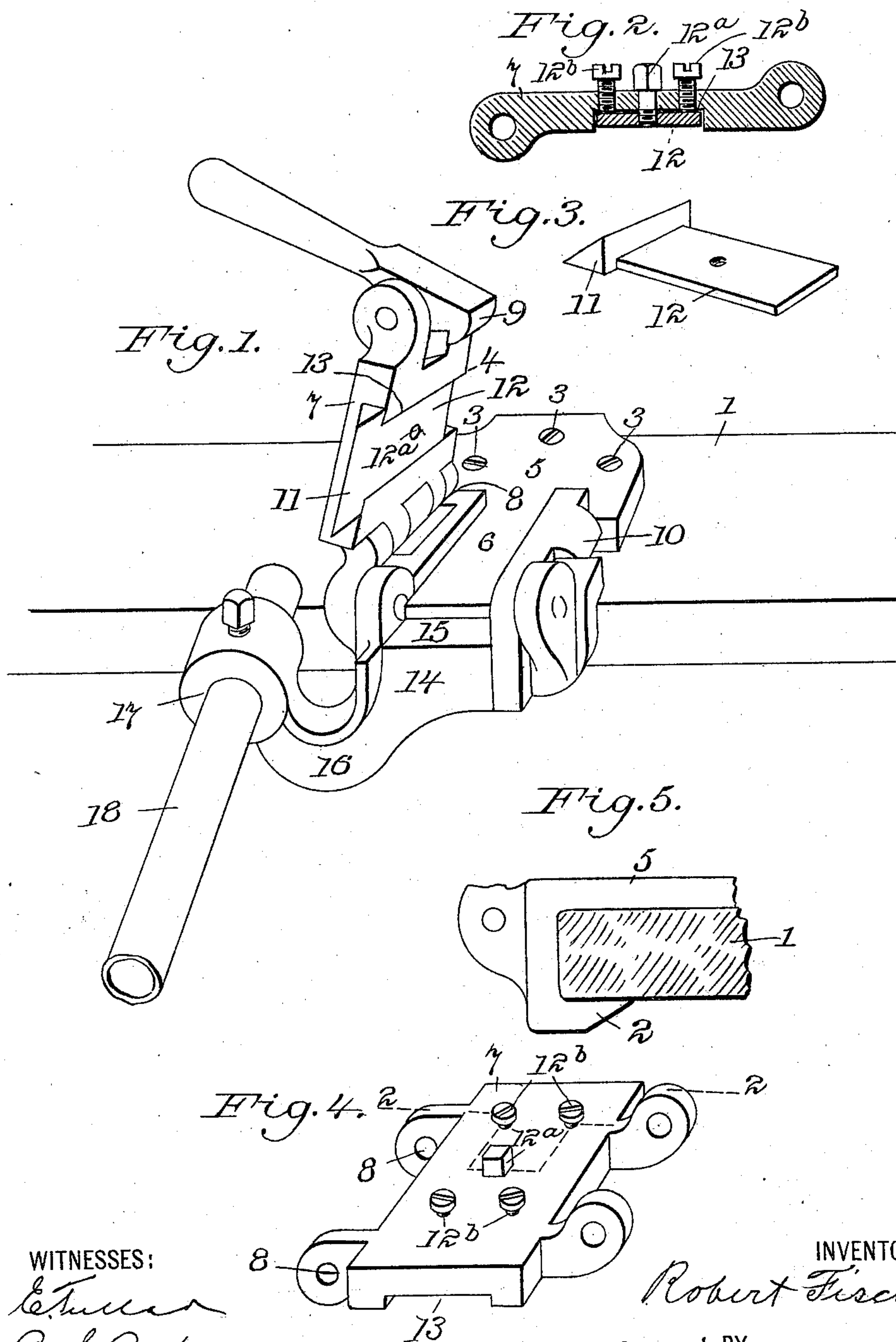
No. 627,228.

Patented June 20, 1899.

R. FISCHER.
METAL BENDING DEVICE.

(Application filed Mar. 30, 1898.)

(No Model.)



WITNESSES:

E. H. ...
C. S. Bettman

INVENTOR

Robert Fischer

BY

Harry Charles
ATTORNEYS

UNITED STATES PATENT OFFICE.

ROBERT FISCHER, OF NEW YORK, N. Y.

METAL-BENDING DEVICE.

SPECIFICATION forming part of Letters Patent No. 627,228, dated June 20, 1899.

Application filed March 30, 1898. Serial No. 675,828. (No model.)

To all whom it may concern:

Be it known that I, ROBERT FISCHER, residing at New York, in the county of New York and State of New York, have invented a new and useful Improvement in Metal-Bending Devices, of which the following is a specification.

My invention relates to a metal-bending device.

10 The object of the invention is to facilitate the shaping or bending of light metal rods or strips, the device being particularly adapted for use by metal-workers in the construction of buildings and other structures.

15 One embodiment of the invention is illustrated in the accompanying drawings, forming part of this specification, and wherein like numerals indicate corresponding parts in the several views, in which—

20 Figure 1 is a view in perspective of the preferred form of the invention, the same being shown open or in position for the reception of a strip or rod. Fig. 2 is a detail sectional view of the movable clamping-jaw, taken on the line 2 2 of Fig. 4. Fig. 3 is a detail perspective view of the removable facing of the clamp-jaw. Fig. 4 is a detail perspective view of the movable clamp-jaw, and Fig. 5 is a detail sectional view of a portion of the
30 base-plate.

In the drawings, 1 represents a work table or bench, to which the device is secured by means of an L-shaped lug 2, depending from the base-plate or body portion of the clamp
35 and taking hold under the projecting top board of the bench or table, the screws 3 retaining the same in the rear.

4 represents a clamp which comprises a fixed jaw 5, longitudinally channeled to provide a recess or way 6, in which the rod or bar is adapted to be seated.

7 represents the movable member or jaw of the clamp, hinged or pivoted at 8 to the fixed member and provided with a pivoted
45 gravity-latch 9, which is self-locking as the clamp is closed and engages a lug 10, formed in part with the base-plate.

11 represents a hardened-steel facing pro-

vided with a shank 12, which latter is seated in a surface groove 13 of the movable member and adjustably held by the screws 12^a 12^b. 50

14 represents the shaping or bending member, which may be said to constitute a pressure-arm, the same being cut away at 15 and pivotally mounted upon the base-plate in a
55 manner whereby the cut-away or recessed portion thereof forms a continuation of the longitudinal channel of the fixed member of the clamp. An arm 16, integral with the member 14, terminates in a head 17, which
60 is apertured for the reception of a lever 18.

The operation is as follows: Slight pressure upon the handle of the gravity-latch will readily cause its disengagement, and the movable clamp-jaw may be swung upward
65 into the position illustrated in Fig. 1. The bar, strip, or rod is then placed in the longitudinal channel or groove and the clamp closed upon it. The steel facing may then be adjusted, if necessary, by loosening the
70 screw 12^a and tightening the screws 12^b, thus bringing the shank of the facing into close contact with the bar. To give the metal the desired shape or bend it to a required angle, it is only necessary to force the lever 18 up-
75 ward, as will be obvious.

Having thus fully described my invention, what I claim as new is—

A metal-bending device, comprising a clamp consisting of a fixed and a movable member
80 hinged together and having their adjoining surfaces recessed to form a work-receiving seat, and a latch for retaining said members in clamping relation, a removable plate provided with a work-engaging projection, said
85 plate being adjustably mounted in the seat to vary the depth thereof to the thickness of the work, and a pressure-lever, for the purpose specified.

In testimony whereof I affix my signature
90 in the presence of two witnesses.

ROBERT FISCHER.

Witnesses:

A. C. DORMER,
B. S. BETTMAN.